

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	376	381/309	US-PGPUB; USPAT	OR	OFF	2007/06/06 14:07
S2	830	381/17	US-PGPUB; USPAT	OR	OFF	2007/01/18 15:31
S3	8815	impulse and acoustic	US-PGPUB; USPAT	OR	OFF	2007/01/18 15:32
S4	171	S2 and S3	US-PGPUB; USPAT	OR	OFF	2007/01/18 15:32
S5	2024357	equal\$7	US-PGPUB; USPAT	OR	OFF	2007/01/18 15:33
S6	129	S4 and S5	US-PGPUB; USPAT	OR	OFF	2007/01/18 15:33
S7	1770898	produce\$4 and select\$4	US-PGPUB; USPAT	OR	OFF	2007/01/18 15:34
S8	91	S6 and S7	US-PGPUB; USPAT	OR	OFF	2007/01/18 15:34
S9	70	delay and add\$4 and S8	US-PGPUB; USPAT	OR	OFF	2007/01/18 17:00
S10	102895	"381"	US-PGPUB; USPAT	OR	OFF	2007/01/18 17:00
S11	15405	"381"?	US-PGPUB; USPAT	OR	OFF	2007/01/18 17:00
S12	2608	S3 and S5 and S7 and delay and add\$4	US-PGPUB; USPAT	OR	OFF	2007/01/18 17:02
S13	456	S12 and S10	US-PGPUB; USPAT	OR	OFF	2007/01/19 11:14
S14	289	381/150	US-PGPUB; USPAT	OR	OFF	2007/01/18 17:02
S15	4	S12 and S14	US-PGPUB; USPAT	OR	OFF	2007/01/18 17:02
S16	2608	impulse and acoustic and equal\$7 and produce\$4 and select\$4 and delay and add\$4	US-PGPUB; USPAT	OR	OFF	2007/01/19 11:22
S17	998	381/1	US-PGPUB; USPAT	OR	OFF	2007/01/19 11:15
S18	63	S16 and S17	US-PGPUB; USPAT	OR	OFF	2007/01/19 11:17
S19	413887	reflected	US-PGPUB; USPAT	OR	OFF	2007/01/19 11:17
S20	415693	3and S19	US-PGPUB; USPAT	OR	OFF	2007/01/19 11:17

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S21	24	S18 and S19	US-PGPUB; USPAT	OR	OFF	2007/01/19 11:17
S22	149	impulse and acoustic and equal\$7 and produce\$4 and select\$4 and (delay same add\$4 same reflect\$4)	US-PGPUB; USPAT	OR	OFF	2007/01/19 14:08
S23	998	381/1	US-PGPUB; USPAT	OR	OFF	2007/01/19 14:09
S24	227	381/19	US-PGPUB; USPAT	OR	OFF	2007/01/19 14:13
S25	3	S22 and S24	US-PGPUB; USPAT	OR	OFF	2007/01/19 14:18
S26	383	381/309	US-PGPUB; USPAT	OR	OFF	2007/01/19 14:18
S27	6	S22 and S26	US-PGPUB; USPAT	OR	OFF	2007/01/19 14:22
S28	770	381/103	US-PGPUB; USPAT	OR	OFF	2007/01/19 14:22
S29	2	S22 and S28	US-PGPUB; USPAT	OR	OFF	2007/01/19 14:23
S30	333	381/26	US-PGPUB; USPAT	OR	OFF	2007/01/19 14:24
S31	0	S22 and S30	US-PGPUB; USPAT	OR	OFF	2007/01/19 14:24
S32	603	381/63	US-PGPUB; USPAT	OR	OFF	2007/01/19 14:24
S33	13	S22 and S32	US-PGPUB; USPAT	OR	OFF	2007/01/19 14:30
S34	175	381/10	US-PGPUB; USPAT	OR	OFF	2007/01/19 14:31
S35	1	S22 and S34	US-PGPUB; USPAT	OR	OFF	2007/01/19 14:32
S36	609	381/18	US-PGPUB; USPAT	OR	OFF	2007/01/19 14:32
S37	12	S22 and S36	US-PGPUB; USPAT	OR	OFF	2007/01/19 17:23
S38	1	murata-hisako\$.in.	US-PGPUB; USPAT	OR	OFF	2007/01/23 10:42
S39	2	yurino-naoko\$.in.	US-PGPUB; USPAT	OR	OFF	2007/01/23 10:38
S40	1	haneishi-miki\$.in.	US-PGPUB; USPAT	OR	OFF	2007/01/23 10:42

## EAST Search History

S41	107	suzuki-takuma\$.in.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	OFF	2007/01/23 10:40
S42	13	suzuki-takuma\$.in.	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/23 10:40
S43	1	haneishi-miki\$.in.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/01/23 10:42
S44	1	murata-hisako\$.in.	US-PGPUB; USPAT; USOCR; DERWENT	OR	OFF	2007/01/23 10:42
S45	8	bharitkar-sunil\$.in.	US-PGPUB; USPAT	OR	OFF	2007/02/08 11:41
S46	15	("4308423"   "4394536"   "4569074"   "4589128"   "4792974"   "4868878"   "4873722"   "5027403"   "5105462"   "5146507"   "5285503"   "5371799"   "5386082"   "5467401"   "5555310").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/02/08 13:40
S47	838	381/17	US-PGPUB; USPAT; USOCR	OR	OFF	2007/02/08 13:40
S48	18	("20020006206"   "4199658"   "4569074"   "4841573"   "5068897"   "5459790"   "5661812"   "5671287"   "5742689"   "5841879"   "6009179"   "6144747"   "6307941"   "6424719"   "6434250"   "6577736"   "6766028"   "6937737").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/02/08 15:12
S49	2	("4866776"   "4953219").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/02/08 15:18
S50	8	("5467401"   "5491644"   "5574466"   "5715412"   "5784467"   "5963459"   "6343131"   "6751322").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/02/08 15:21
S51	9	("5809149"   "5822438"   "6026169"   "6125115"   "6154549"   "6363155"   "6507658"   "6624873"   "6694033").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/02/08 15:43

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S52	5	("4392019"   "5199075"   "5307415"   "5757927"   "6363155").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/02/08 15:45
S53	5	("5325435"   "5412732"   "5524053"   "5610986"   "6584202").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/02/08 16:18
S54	16	("4574306"   "4905029"   "5276472"   "5521663"   "5644557"   "5729217"   "5812736"   "5862229"   "5966122"   "6026346"   "6128037"   "6199032"   "6334025"   "6418272"   "6539168"   "6606115").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/02/08 16:26
S55	7	("4004095"   "5596644"   "5734724"   "5841879"   "5862227"   "6125115"   "6173061").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/02/08 17:05
S56	204	multiple near listener	US-PGPUB; USPAT; USOCR	OR	ON	2007/02/08 17:05
S57	19	S47 and S56	US-PGPUB; USPAT; USOCR	OR	ON	2007/02/08 17:27
S58	777	381/103	US-PGPUB; USPAT; USOCR	OR	ON	2007/02/09 11:13
S59	228	381/19	US-PGPUB; USPAT; USOCR	OR	ON	2007/02/09 11:13
S60	18	("20020006206"   "4199658"   "4569074"   "4841573"   "5068897"   "5459790"   "5661812"   "5671287"   "5742689"   "5841879"   "6009179"   "6144747"   "6307941"   "6424719"   "6434250"   "6577736"   "6766028"   "6937737").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/02/12 09:52
S61	2	"low order spectral model"	US-PGPUB; USPAT; USOCR	OR	ON	2007/02/12 13:41
S62	0	"infinite impule response filter"	US-PGPUB; USPAT; USOCR	OR	ON	2007/02/12 10:07
S63	1510	"infinite impulse response filter"	US-PGPUB; USPAT; USOCR	OR	ON	2007/02/12 10:07
S64	837	381/17	US-PGPUB; USPAT	OR	OFF	2007/02/12 10:07

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S65	17	S64 and S63	US-PGPUB; USPAT; USOCR	OR	ON	2007/02/12 10:07
S66	29	("3236949"   "3920904"   "3962543"   "4118599"   "4119798"   "4192969"   "4219696"   "4308423"   "4309570"   "4355203"   "4731848"   "4739513"   "4748669"   "4817149"   "4910779"   "4975954"   "5023913"   "5034983"   "5046097"   "5105462"   "5136651"   "5173944"   "5208860"   "5333200"   "5337363"   "5438623"   "5452359"   "5467401").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/02/12 10:32
S67	2433	"linear predictive coding"	US-PGPUB; USPAT; USOCR	OR	OFF	2007/02/12 10:33
S68	3	S64 and S67	US-PGPUB; USPAT; USOCR	OR	OFF	2007/02/12 10:33
S69	14	("20010040968"   "4817149"   "5371799"   "5438623"   "5440639"   "5521981"   "5647016"   "5742689"   "5809149"   "5822438"   "5987142"   "6072877"   "6078669"   "6118875").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/02/12 10:37
S70	1	"20050094821"	US-PGPUB; USPAT	OR	OFF	2007/02/12 13:26
S71	2	"low order spectral model"	US-PGPUB; USPAT; USOCR	OR	ON	2007/02/12 13:46
S72	13	"low order IIR filter"	US-PGPUB; USPAT; USOCR	OR	ON	2007/02/12 15:36
S73	5	("4941178"   "5404406"   "5438623"   "5440639"   "5659619").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/02/12 13:53
S74	1788	"stimulus signal"	US-PGPUB; USPAT; USOCR	OR	ON	2007/02/12 15:37
S75	837	381/17	US-PGPUB; USPAT	OR	OFF	2007/02/12 15:37
S76	4	S74 and S75	US-PGPUB; USPAT; USOCR	OR	ON	2007/02/12 15:37

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S77	13	("4199658"   "4741035"   "4910779"   "4975954"   "5208860"   "5371799"   "5386082"   "5440639"   "5452359"   "5495534"   "5511129"   "5521981"   "5659619").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/02/12 17:05
S78	109	"fuzzy C-means"	US-PGPUB; USPAT; USOCR	OR	OFF	2007/02/12 17:07
S79	0	S75 and S78	US-PGPUB; USPAT; USOCR	OR	OFF	2007/02/12 17:05
S80	5	"hard C-means"	US-PGPUB; USPAT; USOCR	OR	OFF	2007/02/12 17:07
S81	8	"bilinear conformal mapping"	US-PGPUB; USPAT	OR	OFF	2007/02/13 10:00
S82	39	"pole zero model"	US-PGPUB; USPAT	OR	OFF	2007/02/13 14:53
S83	8	bharitkar-sunil	US-PGPUB; USPAT	OR	ON	2007/02/13 15:02
S84	6	kyriakakis-chris\$.in.	US-PGPUB; USPAT	OR	ON	2007/02/13 15:02
S85	8	bharitkar-sunil\$.in.	US-PGPUB; USPAT	OR	ON	2007/02/15 16:41
S86	1	murata-hisako\$.in.	US-PGPUB; USPAT	OR	OFF	2007/06/06 14:00
S87	1	murata-hisako\$.in.	US-PGPUB; USPAT	OR	OFF	2007/06/06 14:20
S88	11	"5995631"	US-PGPUB; USPAT	OR	OFF	2007/06/06 14:20
S89	3	"6072877"	US-PGPUB; USPAT	OR	OFF	2007/09/10 12:28
S90	5	"5771294"	US-PGPUB; USPAT	OR	OFF	2007/09/10 12:28
S91	3	"6072877"	US-PGPUB; USPAT	OR	OFF	2007/09/10 12:28